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### 1 [Recommender systems using linear classifiers](#)

Tong Zhang, Vijay S. Iyengar

March 2002 The Journal of Machine Learning Research, Volume 2

Publisher: MIT Press

 Full text available: [pdf\(213.65](#)
[KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#),

[index terms](#)
**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 103, Citation Count: 5

Recommender systems use historical data on user preferences and other available data on users (for example, demographics) and items (for example, taxonomy) to predict items a new user might like. Applications of these methods include recommending items ...

Keywords: collaborative filtering, decision trees, linear models, recommender systems, unbalanced data

## 2 [PrivateBits: managing visual privacy in web browsers](#)



Kirstie Hawkey, Kori M. Inkpen

May 2007 GI '07: Proceedings of Graphics Interface 2007

**Publisher:** ACM

Full text available: [pdf\(1.53 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 97, Citation Count: 0

Privacy can be an issue during collaboration around a personal display when previous browsing activities become visible within web browser features (e.g., AutoComplete). Users currently lack methods to present only appropriate traces of prior activity ...

**Key words:** incidental information, privacy, usable security, web browser

## 3 [Examining the content and privacy of web browsing incidental information](#)



Kirstie Hawkey, Kori M. Inkpen

May 2006 WWW '06: Proceedings of the 15th international conference on World Wide Web

**Publisher:** ACM

Full text available: [pdf\(246.06 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 182, Citation Count: 2

This research examines the privacy comfort levels of participants if others can view traces of their web browsing activity. During a week-long field study, participants used an electronic diary daily to annotate each web page visited with a privacy level. ...

**Key words:** ad hoc collaboration, client-side logging, field study, personalization, privacy, web browsing behaviour, web page content

## 4 [Collecting community wisdom: integrating social search & social navigation](#)



Jill Freyne, Rosta Farzan, Peter Brusilovsky, Barry Smyth, Maurice Coyle

January 2007 IUI '07: Proceedings of the 12th international conference on Intelligent user interfaces

**Publisher:** ACM

Full text available: [pdf\(1.14 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 34, Downloads (12 Months): 553, Citation Count: 0

The goal of this paper is to detail the integration of two "social Web" technologies - social search and social navigation - and to highlight the benefits of such integration on two levels. Firstly, both technologies harvest and harness "community wisdom" ...

**Key words:** community- based adaptation, hypermedia, social navigation, social search, user interfaces


## 5 User-controlled link adaptation



Theophanis Tsandilas, m. c. schraefel

August HYPERTEXT '03: Proceedings of the fourteenth ACM conference on  
2003 Hypertext and hypermedia

**Publisher:** ACM

Full text available:  [pdf\(1.37 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 59, Citation Count: 3

This paper introduces an adaptable hypermedia approach applied to adaptive link annotation techniques. This approach suggests that the combination of direct manipulation with automated link annotation affords greater user control over page adaptation. ...

**Keyw ord s:** adaptable hypertext, direct manipulation, history visualization, hyperlink annotation


## 6 Ontology visualization methods—a survey



Akrivi Katifori, Constantin Halatsis, George Lepouras, Costas Vassilakis, Eugenia Giannopoulou

November ACM Computing Surveys (CSUR), Volume 39 Issue 4  
2007

**Publisher:** ACM

Full text available:  [pdf\(3.46 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 395, Downloads (12 Months): 2043, Citation Count: 0

Ontologies, as sets of concepts and their interrelations in a specific domain, have proven to be a useful tool in the areas of digital libraries, the semantic web, and personalized information management. As a result, there is a growing need for effective ...

**Keyw ord s:** Ontology, human-computer interaction, visualization method


## 7 Categorizing web search results into meaningful and stable categories using fast-feature techniques



Bill Kules, Jack Kustanowitz, Ben Shneiderman

June JCDL '06: Proceedings of the 6th ACM/IEEE-CS joint conference on Digital  
2006 libraries

**Publisher:** ACM

Full text available:  [pdf\(460.86 KB\)](#)


**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 14, Downloads (12 Months): 268, Citation Count: 0

When search results against digital libraries and web resources have limited metadata, augmenting them with meaningful and stable category information can enable better overviews and support user exploration. This paper proposes six fast-feature techniques ...

**Keywords:** browsing, categorization, classification, metadata, open directory, taxonomies

## 8 Privacy-enhancing personalized web search

 Yabo Xu, Ke Wang, Benyu Zhang, Zheng Chen  
May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web  
**Publisher:** ACM

Full text available:  [pdf\(310.76 KB\)](#)


**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 20, Downloads (12 Months): 335, Citation Count: 0

Personalized web search is a promising way to improve search quality by customizing search results for people with individual information goals. However, users are uncomfortable with exposing private preference information to search engines. On the other ...

**Keywords:** hierarchical user profile, personalized search, privacy

## 9 Doppelganger: Better browser privacy without the bother

 Umesh Shankar, Chris Karlof  
October 2006 CCS '06: Proceedings of the 13th ACM conference on Computer and communications security  
**Publisher:** ACM

Full text available:  [pdf\(985.19 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 223, Citation Count: 0

We introduce Doppelganger, a novel system for creating and enforcing fine-grained, privacy preserving browser cookie policies with low manual effort. Browser cookies pose privacy risks, since they can be used to track users' actions in detail, but some ...

**Keywords:** cookies, usable security, web privacy

## 10 [Image classification for mobile web browsing](#)



Takuya Maekawa, Takahiro Hara, Shojiro Nishio

May WWW '06: Proceedings of the 15th international conference on World Wide Web 2006

**Publisher:** ACM

Full text available: [pdf\(3.31 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 23, Downloads (12 Months): 164, Citation Count: 2

It is difficult for users of mobile devices such as cellular phones equipped with a small screen and a poor input interface to browse Web pages designed for desktop PCs with large displays. Many studies and commercial products have tried to solve this ...

**Keywords:** mobile computing, web browsing, web images

## 11 [Automatic identification of user interest for personalized search](#)



Feng Qiu, Junghoo Cho

May WWW '06: Proceedings of the 15th international conference on World Wide Web 2006

**Publisher:** ACM

Full text available: [pdf\(602.56 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 37, Downloads (12 Months): 412, Citation Count: 5

One hundred users, one hundred needs. As more and more topics are being discussed on the web and our vocabulary remains relatively stable, it is increasingly difficult to let the search engine know what we want. Coping with ambiguous queries has long ...

**Keywords:** personalized search, user profile, user search behavior, web search

## 12 [Information search and re-access strategies of experienced web users](#)



Anne Aula, Natalie Jhaveri, Mika Kåki

May WWW '05: Proceedings of the 14th international conference on World Wide Web 2005

**Publisher:** ACM

Full text available: [pdf\(212.45 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 275, Citation Count: 7

Experienced web users have strategies for information search and re-access that are not directly supported by web browsers or search engines. We studied how prevalent these strategies are and whether even experienced users have problems with searching ...

**Keywords:** experienced web users, information re-access, questionnaire study, web search

### 13 Interest-based personalized search



Zhongming Ma, Gautam Pant, Olivia R. Liu Sheng

February 2007 ACM Transactions on Information Systems (TOIS), Volume 25 Issue 1

**Publisher:** ACM

Full text available: [pdf\(1.58 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 40, Downloads (12 Months): 1030, Citation Count: 0

Web search engines typically provide search results without considering user interests or context. We propose a personalized search approach that can easily extend a conventional search engine on the client side. Our mapping framework automatically maps ...

**Keywords:** Open Directory, Personalized search, World Wide Web, information retrieval, user interest, user interface

### 14 Discovering frequently changing structures from historical structural deltas of unordered XML



Qiankun Zhao, Sourav S. Bhowmick, Mukesh Mohania, Yahiko Kambayashi

November 2004 CIKM '04: Proceedings of the thirteenth ACM international conference on Information and knowledge management

**Publisher:** ACM

Full text available: [pdf\(435.96 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 91, Citation Count: 1

Recently, a large amount of work has been done in XML data mining. However, we observed that most of the existing works focus on the snapshot XML data, while XML data is dynamic in real applications. To the best of our knowledge, none of the existing ...

**Keywords:** XML, data mining

### 15 [When and how to visualize traceability links?](#)



Andrian Marcus, Xinrong Xie, Denys Poshyvanyk

November TEFSE '05: Proceedings of the 3rd international workshop on Traceability 2005 in emerging forms of software engineering

**Publisher:** ACM

Full text available: [pdf\(501.79 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 120, Citation Count: 0

This position paper discusses the situations when visualizing traceability links is opportune, as well as what information pertaining to these links should be visualized and how. It also presents a prototype tool, which is used to visualize traceability ...

**Keywords:** software visualization, traceability

### 16 [A tangible interface for browsing digital photo collections](#)



Shuo Hsiu Hsu, Sylvie Juppertz, Pierre Cubaud

February TEI '08: Proceedings of the 2nd international conference on Tangible and embedded interaction 2008

**Publisher:** ACM

Full text available: [pdf\(1.09 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

We present a design concept of a tangible user interface for browsing image contents. A layer structure for image presentation and three kinematical gestures are proposed to facilitate navigation in the digital photo collections. We describe how gestures ...

**Keywords:** collection, gestures, hand kinematics, image browsing

### 17 [Web information retrieval based on user operation on digital maps](#)



Ryoko Hiramoto, Kazutoshi Sumiya

November GIS '06: Proceedings of the 14th annual ACM international symposium 2006 on Advances in geographic information systems

**Publisher:** ACM

Full text available: [pdf\(1.62 MB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 17, Downloads (12 Months): 191, Citation Count: 1

We describe a method that detects the user's intentions on the basis of the user's operations on a digital map and automatically retrieves and displays appropriate Web pages. Since the series of operations that a user performs on digital maps usually ...

**Keywords:** digital map, information retrieval, spatio temporal DB, user operation

## 18 Constructing, organizing, and visualizing collections of topically related Web



### resources

Loren Terveen, Will Hill, Brian Amento

March 1999 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 6 Issue 1

**Publisher:** ACM

Full text available: [pdf\(303.62 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 26, Downloads (12 Months): 134, Citation Count: 11

For many purposes, the Web page is too small a unit of interaction and analysis. Web sites are structured multimedia documents consisting of many pages, and users often are interested in obtaining and evaluating entire collections of topically related ...

**Keywords:** cocitation analysis, collaborative filtering, computer supported cooperative work, information visualization, social filtering, social network analysis

## 19 Recency-based collaborative filtering

Yi Ding, Xue Li, Maria E. Orlowska

January 2006 ADC '06: Proceedings of the 17th Australasian Database Conference - Volume 49, Volume 49

**Publisher:** Australian Computer Society, Inc.

Full text available: [pdf\(210.00 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 101, Citation Count: 0

Collaborative filtering is regarded as one of the most promising recommendation algorithms. Traditional approaches for collaborative filtering do not take concept drift into account. For example, user purchase interests may be volatile. A new mother ...

**Keywords:** collaborative filtering, concept drift, item-based approach, recency-based approach, similarity measure

## 20 Broadcast Messaging: Messaging to the Masses



Frank Jania

November 2003 Queue, Volume 1 Issue 8

**Publisher:** ACM

Full text available: [pdf\(491.17 KB\)](#) [html\(21.67 KB\)](#)

Additional Information: [full citation](#), [cited by](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 48, Citation Count: 2



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